WORKSHEET W-3

2004

WATER RIGHT/PERMIT/ BMP Farm Unit NO.

1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCA Sec	TION Twn	Rng	5	Date of Measurement	Differential or Velocity Head (Specify Units)	F	Discharge (Gals/Min)	Cubic Ft. Sec.
	TYPE OF MEASURING DEVICE	MAKE/N	40DEI							(Opening State)			
2	TITE OF WEAGONING DEVICE	IVIAIL/IV	NODEL						A MINIMUM OF T	WO			
	SIZE	INSTAL	LATION (OR OVER	RHAUL DA	ATE			MEASUREMENTS IS REQUIRED				
3	POWER CO. NAME	ACCOU	JNT NO.		GAS ME	ETER NO).	6	AVERAGE DISCHARGE	FACTOR B	FACTOR F	AVERAGE CUBIC FT. SEC.	FACTOR C
					1			9	DIVIDER = 195500	$X = \frac{FXC}{B} =$	1	ENERGY CONSUMPTION	
4	INSIDE DIAMETER OF DISCHARGE PIPE			(inches)						_	Box 10 =		
								11	WATER WITHDR	AWN =	Box 9	ACRE FEE	Т
1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCA Sec	TION Twn	Rng	5	Date of	Differential or Velocity Head	F	Discharge	Cubic Ft. Sec.
					Sec	IWII	Kilg		Measurement	(Specify Units)		(Gals/Min)	
	TYPE OF MEASURING DEVICE	MAKE/N	4ODEL										
2	TYPE OF MEASURING DEVICE	IVIANE/IV	NODEL						A MINIMUM OF T	wo I			
	SIZE	INSTAL	LATION (OR OVER	RHAUL DA	ATE			MEASUREMENTS IS REQUIRED				
	DOWED CO NAME	ACCOL	INT NO		CACME	TED NO		6	AVERAGE	7	1 [8	AVERAGE CUBIC	
3	POWER CO. NAME	ACCOU	JNT NO.		GAS IVIE	ETER NO).		DISCHARGE	FACTOR B	FACTOR F	FT. SEC.	FACTOR C
	INSIDE DIAMETER OF							9	DIVIDER = 195500	$X = \frac{FXC}{B} =$	1	ENERGY CONSUMPTION	
4	DISCHARGE PIPE			(inches)				44	WATER WITHER	A \ A / N I	Box 10 =		
								11	WATER WITHDR	AVVIN =	Box 9	ACRE FEE	Т
								1					
	DWR WELL REGISTRATION NO.	10	40	160	LOCA	TION		5	Date of	Differential or		Discharge	
1	5111 11 <u>22 12</u> 616 11 11161 116.	Q	Q	Q	Sec	Twn	Rna	3		Velocity Head	F	Discharge (Cala/Min)	Cubic Ft. Sec.
1		Q	Q	Q	Sec	Twn	Rng	3	Measurement	(Specify Units)	F	(Gals/Min)	Cubic Ft. Sec.
1	TYPE OF MEASURING DEVICE	Q MAKE/N		Q	Sec	Twn	Rng				F		Cubic Ft. Sec.
				Q	Sec	Twn	Rng			(Specify Units)			Cubic Ft. Sec.
2		MAKE/N	MODEL		Sec		Rng		Measurement	(Specify Units)			Cubic Ft. Sec.
2	TYPE OF MEASURING DEVICE SIZE	MAKE/N INSTAL	MODEL LATION (RHAUL DA	ATE			A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE	(Specify Units) WO TOTALS		(Gals/Min) AVERAGE CUBIC	
	TYPE OF MEASURING DEVICE	MAKE/N	MODEL LATION (RHAUL DA			6	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE	(Specify Units)			
3	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME	MAKE/N INSTAL	MODEL LATION (RHAUL DA	ATE			A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE	(Specify Units) WO TOTALS FACTOR B		(Gals/Min) AVERAGE CUBIC FT. SEC.	FACTOR C
2	TYPE OF MEASURING DEVICE SIZE	MAKE/N INSTAL	MODEL LATION (GAS ME	ATE		9	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500	WO TOTALS FACTOR B O X FX C B E SPECIAL STATES AND S	FACTOR F	(Gals/Min) B AVERAGE CUBIC FT. SEC.	FACTOR C
3	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF	MAKE/N INSTAL	MODEL LATION (OR OVEF	GAS ME	ATE		6	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE	WO TOTALS FACTOR B O X FX C B E SPECIAL STATES AND S	FACTOR F	(Gals/Min) B AVERAGE CUBIC FT. SEC.	FACTOR C
3	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE	MAKE/N INSTAL	MODEL LATION (OR OVEF	GAS ME	ATE ETER NO		9	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500	(Specify Units) WO S TOTALS FACTOR B O X FX C B AWN =	FACTOR F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION	FACTOR C
3	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF	MAKE/N INSTAL	MODEL LATION (OR OVEF	GAS ME	ATE ETER NO		9	A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR	(Specify Units) WO TOTALS FACTOR B O X FXC B Differential or Velocity Head	FACTOR F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge	FACTOR C
2 3 4	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE	MAKE/N INSTALI ACCOU	MODEL LATION (OR OVER	GAS ME	ATE ETER NO	0.	6 9 11	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR	(Specify Units) WO S TOTALS FACTOR B O X FX C B AWN =	FACTOR F Box 10 Box 9 = 10	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE	FACTOR C
3 4	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE	MAKE/N INSTALI ACCOU	MODEL LATION (JINT NO. 40 Q	OR OVER	GAS ME	ATE ETER NO	0.	6 9 11	A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR	(Specify Units) WO TOTALS FACTOR B O X FXC B Differential or Velocity Head	FACTOR F Box 10 Box 9 = 10	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge	FACTOR C
[2] [3] [4]	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE DWR WELL REGISTRATION NO.	MAKE/M INSTALI ACCOU	MODEL LATION (JINT NO. 40 Q MODEL	OR OVEF	GAS ME	ETER NO	0.	6 9 11	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR Date of Measurement A MINIMUM OF TO	(Specify Units) WO TOTALS TACTOR B O X FX C B AWN = Differential or Velocity Head (Specify Units)	FACTOR F Box 10 Box 9 F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge	FACTOR C
[2] [3] [4]	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE DWR WELL REGISTRATION NO.	MAKE/M INSTALI ACCOU	MODEL LATION (JINT NO. 40 Q MODEL	OR OVEF	GAS ME	ETER NO	0.	6 9 11	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR Date of Measurement	(Specify Units) WO S TOTALS FACTOR B O X FX C B Differential or Velocity Head (Specify Units)	FACTOR F Box 10 Box 9 F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge (Gals/Min)	FACTOR C Cubic Ft. Sec.
2 3 4 1	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE DWR WELL REGISTRATION NO.	MAKE/M INSTALI ACCOU	MODEL JINT NO. 40 Q MODEL LATION (OR OVEF	GAS ME LOCA Sec	ETER NO	Rng	6 9 11	A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR Date of Measurement A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE	(Specify Units) WO TOTALS TACTOR B O X FX C B AWN = Differential or Velocity Head (Specify Units)	FACTOR F Box 10 Box 9 F	AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge (Gals/Min)	FACTOR C Cubic Ft. Sec.
[2] [3] [4]	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE DWR WELL REGISTRATION NO. TYPE OF MEASURING DEVICE SIZE	MAKE/N INSTALI ACCOU	MODEL JINT NO. 40 Q MODEL LATION (OR OVEF	GAS ME LOCA Sec	TION Twn	Rng	9 11 5	A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR Date of Measurement A MINIMUM OF TOM MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE	(Specify Units) WO TOTALS FACTOR B O X FXC B Differential or Velocity Head (Specify Units) WO TOTALS	FACTOR F Box 10 Box 9 = F FACTOR F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge (Gals/Min) AVERAGE CUBIC FT. SEC.	FACTOR C Cubic Ft. Sec.
2 3 4 ——————————————————————————————————	TYPE OF MEASURING DEVICE SIZE POWER CO. NAME INSIDE DIAMETER OF DISCHARGE PIPE DWR WELL REGISTRATION NO. TYPE OF MEASURING DEVICE SIZE	MAKE/N INSTALI ACCOU	MODEL JINT NO. 40 Q MODEL LATION (OR OVEF	GAS ME LOCA Sec	TION Twn	Rng	9 11 5	A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE DIVIDER = 195500 WATER WITHDR Date of Measurement A MINIMUM OF TO MEASUREMENTS IS REQUIRED AVERAGE DISCHARGE	(Specify Units) WO TOTALS FACTOR B O X FXC B Differential or Velocity Head (Specify Units) WO TOTALS	FACTOR F Box 10 Box 9 F	(Gals/Min) AVERAGE CUBIC FT. SEC. ENERGY CONSUMPTION ACRE FEE Discharge (Gals/Min) AVERAGE CUBIC FT. SEC.	T Cubic Ft. Sec.

Note: This method cannot be used when energy meter serves other uses.

PIPE FLOW WITH PUMPAGE CALCULATED USING NATURAL GAS ENERGY RECORDS

INSTRUCTIONS

IIV	SIRUCII	IONS					
Note	•		e-printed on this form is incorrect, please make the needed corrections. not already preprinted on this form, please follow the directions below.				
1.	Enter DWR v	vell regi	stration number and location in 1.				
2.		evice us	n changed during the reporting year, enter type, make, model and size of sed to measure discharge in 2. If the device is permanent, enter date nauled.				
3.	Enter power	compar	y name, account number and meter number in 3.				
4.	Enter the insi	ide dian	neter of the well discharge pipe (inches) in 4.				
5.	flow, Factor of the gas me These measu more often p	the following information in 5: the date of measurement, differential or velocity head of the pipe Factor F for the meter as shown on your power bill, the pump discharge, and the cubic feet per second gas meter, for each measurement taken. A minimum of two measurements are required. The measurements should be taken during the spring and in late summer if possible. Measuring often produces more accurate results. It is desirable to operate the pump at least 24 hours are measuring the discharge.					
6.			e pump discharge column and divide by the number of measurements to lischarge which is designated as Factor B. Enter in 6.				
7.	•	eat the same procedure for the F column to obtain the average for F which is designated as or F. Enter in 7.					
8.	Repeat the same procedure for the cubic ft./sec. column to obtain the average cubic feet per second of gas which is designated as Factor C. Enter in 8.						
9.	Enter Factor F, Factor B, and Factor C in the formula provided. Complete the calculation as shown to obtain the divider. Enter in 9.						
10.	Enter the total energy consumption used in therms. This amount may be obtained from your natural gas energy bills as well as the initial and ending readings from your meter. Enter in 10.						
11.	Divide the total energy consumption entered in 10 by the value computed in 9 to obtain the total water withdrawn by the well. Enter in 11.						
ENT	ER THE FO	LLOW	VING ON SCHEDULE A				
WO	RKSHEET V	N-3	SCHEDULE A				
Bo	x 1		DWR well registration number & location in column 2 if not already shown.				
Bo			Power company name, account number and meter number in column 3.				
Во	x 6		Average discharge in column 7.				
Bo	x 9		Divider in column 8.				
Bo			Energy consumption in column 6.				
Во	x [11]		Water withdrawn in column 9.				

NOTE: THIS WORKSHEET MUST BE SUBMITTED WITH SCHEDULE A.